

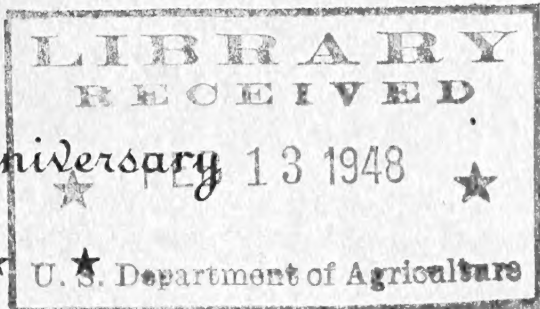
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Twenty-fifth Anniversary

13 1948



★ ★ ★ ★

★ U. S. Department of Agriculture

DEPENDABLE GLADS

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1948

Descriptive List and Prices

of

Standard Varieties

and

The Finest of the Newest

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Foss Heaton Glad Gardens

Creston :: Iowa

1948 CATALOG—25th ANNUAL SALE

DEPENDABLE GLADS

Grown and offered by

Foss Heaton Glad Gardens

Creston :: Iowa

Farm and bulb-house located two miles North East of city.

Telephone 16R51 Creston

This modern bulb-house is of hollow tile and cement construction, thoroughly insulated against cold and heat. It is 30 by 80 feet, one story and full basement, with 37,600 cu. ft. of storage space. There are individual racks for each of several thousand trays, allowing for air circulation both below and above each and every tray. Also washing platform with latest model bulb washer, cleaning and packing rooms, and so forth. The bulbs are hand-dug, hand-cleaned, and given the best possible care in every detail. There are no sprouts on the bulbs in late Spring, because of a storage temperature in the low forties and a high humidity for the entire year in the storage room. Come and see us.

DESCRIPTIVE LIST

For larger quantities please note that in some of the following varieties quantities available enable pricing wholesale. These are given with these variety descriptions, and are prepaid. In the prices given you may duplicate as many times as you wish. One half the items given at half price. But no item less than 10 cents, please. All prices prepaid. L means large (over 1¼ inch). M means medium (over ¾ inch). No. 5 means over ½ inch.

ABU HASSAN (K.&M.). 1946 importation. A lovely deep clear violet blue. A greatly improved PELEGRINA, being taller and with more open. A rich color and a healthy grower. Not too many bulblets, but they are big. Large, 25 cents each, \$2.50 per 12. Medium, 20 cents each, \$1.50 per 12. Bulblets, 25 for 50 cents

ALGONQUIN (Palmer). A bright, clear uniform scarlet, with plenty of nicely placed, wide-open blooms on a tall spike. Often winner at the shows, and in great demand. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or ½ pint bulblets. Per 250 No. 5, \$5.00.

ANNAMAE (Pommert). A very early pure white, and useful as a commercial. Spikes are not tall, but are always straight and strong, and a free bloomer. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. Small, \$2.00 per 100.

BADGER BEAUTY (Krueger). A clean-cut lavender. Always a tall, straight, graceful spike. Not large and not many open, but a fine lavender nevertheless. Extra fine as a cut flower. For 35 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 90 cents, either 20 M, or 30 No. 5. Per 250 No. 5, \$6.00.

BARCAROLE (Palmer). A late bloomer. A splendidly ruffled light orange, on a heavy plant. A clear beautiful orange. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00.

BEACON (Palmer) A glad of fine form and precise arrangement. A striking clear-cut contrast of its two colors,—the big yellow center and the scarlet outer border. Very dependable. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00

BEAUTY'S BLUSH (Fischer). For precision of arrangement and form this glad is hard to beat. For delicateness of color this soft blushing pink has no equal. A cool sparkling pink on a very fine tall strong spike from a very robust plant. The heat and drouth of '47 did not bother this one. Large, \$1.50 each. Bulblets, \$1.00 per 12.

BETTER TIMES (K.&M.). 1946 importation. The best of the new light blues, in my estimation. A clear light blue with white feathering across lower petals. Medium blooms well placed and many open on a tall slender spike. A very rapid multiplier. Medium, 15 cents each. Small, 10 cents each, \$1.00 per 12. Bulblets, 40 for \$1.00.

BLACK OPAL (Errey). A glossy deep dark red. The most dependable of the so-called "black" reds. Many perfectly placed blooms on a stretchy spike. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 5, \$5.00.

BLUE ADMIRAL (Christ). Unlike most dark blues, this one measures up well with the ordinary glad in length of spike and size of blooms. A uniform dark blue, very close to real blue. For 25 cents, either 3 L, or 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 12 L, or 20 M, or 30 No.5.

BOULOGNE (Salman). 1947 importation. This deep rose, or wine-red, from Holland has a pleasing color, clear and uniform. There are plenty open on a fine tall spike. Looks like a coming commercial in this color. Large, 50 cents each, \$5.00 per 12. Medium, 30 cents each, \$3.00 per 12. Bulblets, 40 for \$1.00.

BRIDESMAID (Wheeler). An early large salmon pink with a cream blotch. Very vigorous and easy to grow. Large, 30 cents each, \$3.00 per 12. Medium, 20 cents each, \$2.00 per 12. No. 5, 10 cents each. \$1.00 per 12. Bulblets, \$1.00 per 100.

BURMA (Palmer). Without doubt the best of the deep rose-reds for the back yard and local sales, but not for shipping. Huge wide-open heavily ruffled and heavy-textured blooms. When the first bud opens, practically the entire spike shows color. Striking, brilliant, gorgeous. Large, 25 cents each, \$2.00 per 12. Medium, 10 cents each, \$1.00 per 12. Small, 50 cents per 12. Bulblets, 50 cents per 100, \$10.00 per quart.

CASABLANCA (Majeski). This white looks to me like the coming commercial white. It has all the good points for it. Not as much cream in the throat as the other leaders. It is very tall and graceful, plenty open, opens readily when cut, perfect placement, blooms fine from all sizes of bulbs, and is splendidly ruffled. Never shows pink stains as do most whites. Extremely prolific and healthy. Medium, 60 cents per 12. No. 5, 30 cents per 12, \$2.00 per 100. Bulblets, 20 cents per 100, \$3.00 per pint. Per 250 No. 5, \$4.50.

CERVANTES (Salman). 1947 importation. Here is a blotched pink for those who like contrasts. Large wide-open rose pink blooms with a huge red blotch. Tall straight spikes. Large, 15 cents each, \$1.50 per 12. Medium, 10 cents each, \$1.00 per 12. Bulblets, 50 cents per 100.

CHAMOUNY (Baerman). Am having a greater proportion of tall spikes in this one now. Peach blossom pink makes this glad distinct and unusual. A large number open and the balance showing color. According to the scientific color charts by Ridgway it is a true rose color. Medium, 10 cents each, \$1.00 per 12. Small, 50 cents per 12. Bulblets, 50 cents per 100.

CONNECTICUT YANKEE (Schenetsky). Am getting a lot more bulblets nowadays from this magnificent exhibition glad. A pastel of great beauty, striking and gorgeous, and at the same time with all the qualities for a great commercial if only it gets prolific of bulblets in time. One way to describe the color is to call it a white flushed with a delightful shade of rose pink that deepens to the throat blotch. Large, \$2.00 each, \$20.00 per 12. Medium, \$1.50 each, \$15.00 per 12. Small, \$1.00 each, \$10.00 per 12. Bulblets, 20 cents each, \$2.00 per 12.

CORONA (Palmer). Everyone likes this rich cream with the picotee edges. It has all the qualities that make a glad dependable. Distinctive, captivating. That pink edge varies quite a bit, often quite noticeable but sometimes rather faint. An easy grower. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00.

CRINKLE CREAM (Ellis). The best of the medium yellows. It is huge, wide-open, nicely ruffled, and a crystal-clear color. Very heavy plant and foliage, and a very ready bloomer. It should really be called "CRINKLE YELLOW". Certainly a grand glad. Large, 25 cents each, \$2.50 per 12. Medium, 15 cents each, \$1.50 per 12. Small, 10 cents each, \$1.00 per 12. Bulblets, \$2.00 per 100.

DR. VAN DOBBEN DE BRUYN (Salman). This pure white with me is twice as tall and twice as large as any other pure white I have seen. It is prolific and easy to grow and very vigorous and healthy. A fine glad from Europe. Large, 25 cents each, \$2.50 per 12. Medium, 15 cents each, \$1.50 per 12. Small, 10 cents each, \$1.00 per 12. Bulblets, \$2.00 per 100.

ELIZABETH THE QUEEN (White). On account of its size and vigor this mauve-lavender is certain of a top place among both exhibition and commercial lavenders. Heavily ruffled, wide-open, and of fine form, and prolific. Tall enough as I grow it. Large, 15 cents each, \$1.50 per 12. Medium, 70 cents per 12. Small, 40 cents per 12. Bulblets, 40 cents per 100, \$5.00 per quart. Per 250 No. 4, \$10.00. Per 250 No. 5, \$7.50.

ELWOOD (Heaton). The only true orchid lavender, as far as I know. The color is sharp and crystal clear, not mauve-shaded as all other lavenders I have seen. It has never been known to fleck. Heat and drouth cannot touch it. Certainly worth a trial by all glad lovers. Very large and wide-open on a perfect spike. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5. Per 250 No. 4, \$7.50.

EPISODE (Europe). 1947 importation. Here is a rose pink that is well worth while. A very soft melting pleasing pink on a tall spike. Large, 15 cents each. \$1.50 per 12. Bulblets, 15 cents per 12.

ETHEL CAVE-COLE (Cave). Early and at the same time very large. A strong husky spike filled with big pink blooms. A very good commercial. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00.

FLYING FORTRESS (Wilson). I cannot raise enough of this giant smoky, so have withheld it until next season. I have had as high as twelve huge blooms open on the spike at one time.

FUCHSIA BELLE (Almey). Early. A new shade of red in glads. A fiery dazzling American Beauty red, a color so intense it hurts the eyes. Most of the buds open at one time on a good spike. A sure coming red. Large, \$1.25 each. Medium, \$1.00 each. Bulblets, \$1.00 per 12.

GENGHIS KHAN (Scheer). As this one grows for me here in Iowa, it simply has no peer among the ruffled pinks. A very free bloomer from all sizes of bulbs. Very large and wide open, and extremely prolific. Extremely ruffled and of heavy substance. Low-hung foliage makes it an easy cutter. The color is the purest NEW ERA pink. Medium, 15 cents each, \$1.50 per 12. No. 5, 80 cents per 12. Bulblets, 40 cents per 100. Per 250 No. 4, \$20.00. Per 250 No. 5, \$12.50.

GOLDEN STATE (Wheeler) This medium yellow is very strong and vigorous, and the blooms large. But the color seems a bit clouded. Large, 25 cents each, \$2.50 per 12. Medium, 20 cents each, \$2.00 per 12.

GRATITUDE (Fischer). The originator calls this one a greatly improved BARCAROLE, and he is right. About the same color, but more sharp and clear. Splendidly ruffled and much taller. Very robust and prolific. Large, 75 cents each. Bulblets, 75 cents per 12.

HAWKEYE RED (Heaton). Tall stately spike and a rich glowing red. Growers find it very vigorous, healthy and easy to grow. Even the smallest bulb sends up a salable spike. Outstanding red. Medium, 15 cents each, \$1.50 per 12. No. 5, 10 cents each, \$1.00 per 12. Bulblets, \$2.00 per 100, \$10.00 per quart. Per 250 No. 4, \$9.00 Per 250 No. 5, \$6.00.

HUNTRESS (Jack). A large vigorous pinkish lavender that often flecks. For size and display it stands high among the lavenders. Large, \$1.00 each. Bulblets, 70 cents per 12.

ILE DE FRANCE (Blom). 1947 importation. Best described as a flesh pink with a yellow and red blotch. Extra tall. Large, 40 cents each, \$4.00 per 12. Medium, 25 cents each, \$2.50 per 12. Bulblets, 40 cents per 12.

JOHAN VAN KONIJNENBURG (K.&M.). 1946 importation. Best described as an orange-scarlet, about the same shade as **NEW EUROPE**. Not quite so large but taller than this fine glad. A self color and very brilliant. Rated the highest in Holland. Large, \$1.50 each. Small, 70 cents each. Bulblets, \$1.50 per 12.

KING LEAR (Palmer) The famous big ruffled deep red-purple. Very tall and graceful spike, and a free bloomer. Popular. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 5, \$4.00.

LADY JANE (Lake). I rate this cream with yellow blotch above **WHITE GOLD** in many respects. There are more open on the perfectly arranged spike. A free bloomer from small bulbs. A vigorous plant, and the blooms are always very large here. Should make a fine commercial. For 25 cents, either 3 L, or 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 12 L, or 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$5.00

LANCASTER (Palmer). A somewhat darker purple than **KING LEAR**. Also much taller and more open. A very outstanding purple. In the same class as **PURPLE SUPREME**. Large 75 cents each. Small, 25 cents each. Bulblets, 75 cents per 12.

LAVENDER PRINCE (LaSalle). If you liked **KING ARTHUR**, you will like this seedling of that glad. About the same deep rich lavender-mauve, perhaps sharper, but plain petals. Extremely tall and very large, and a very husky grower, especially from bulblets. Large, 50 cents each. Medium, 35 cents each. Small, 25 cents each. \$2.50 per 12. Bulblets, 40 cents per 12.

LEADING LADY (Johnston). The sensational cream-white sport of **PICARDY**. It is identical in habits, size and substance, and keeping qualities. The white and the cream throat are delightfully pure and clear. Winner of hundreds of prizes and a sure commercial. Large, 25 cents each, \$1.80 per 12. Medium, 15 cents each, \$1.20 per 12. Small, 10 cents each, 60 cents per 12. Bulblets, \$1.50 per 100, \$10.00 per quart. Per 250 No. 6, \$7.50.

LEEUWENHORST (Salman). 1947 importation. The color is like some French lilacs I have seen. Variousy called in Holland a "lavender pink", "lilac rose", or "hydrangea pink". Certainly different. Very tall and vigorous. Highly favored in Holland. Large, 25 cents each, \$2.50 per 12. Medium, 15 cents each, \$1.50 per 12. Bulblets, 25 cents per 12.

MANSOER (Salman). 1947 importation. A very meritorious addition to the black-red group. In the same class with **BLACK OPAL**, maybe taller and more graceful spike. It seems to be very vigorous and healthy. Large, 50 cents each. Medium, 30 cents each. Bulblets, 40 cents per 12.

MARGARET BEATON (Twomey). A white that is white, though it does have a small red feather. Remarkable for its vigorous growth and great height, and its gorgeous display of whiteness. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00

MARION PEARL (Benedict) Still by far the finest salmon pink of them all for beauty and gorgeousness of spike and blooms. Can easily open ten or more at one time, perfectly placed on a long stretchy graceful spike. The reason we see so little of it is the scarcity of bulblets. However, the last season or two I am getting scads of bulblets, and am hoping for this lovely flower. Large, 75 cents each. Medium, 50 cents each.

MARSEILLAISE (Scheer). A brilliant blood-red. A tall spike and heavy foliage. A small white spear on lower petals. A red that is red clear through. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5.

MINSTREL (Palmer). Biggest lavender ever sent out. It has been grown up to six inches or more in diameter. Plenty open on a tall flower-head. Sometimes flecks. Large, \$1.50 each. Small 60 cents each. Bulblets, \$1.50 per 12.

MERIDEN (Hatch) A deep wine color. A great number of huge heavily ruffled blooms on a medium spike. A new shade in the purples. Large, \$2.00 each. Small, \$1.00 each. Bulblets, \$2.00 per 12.

MINUET (Coleman). Introduced about twenty years ago, and still grown extensively for the flower markets, because of its high qualities. The standard lavender for many years. We will add ten percent to the count on account of a pink rogue. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5.

MISS WISCONSIN (Krueger). A rich brilliant rose pink, or lavender-rose, the only one of that particular color I know of. A color that immediately attracts attention. I had lots of bulblets lately and they all grew, so am hoping for this one also, as it has been a slow producer heretofore. There is no limit to its popularity if it can be produced. Large, 50 cents each. Medium, 35 cents each, \$3.00 per 12. Small, 20 cents each, \$2.00 per 12. Bulblets, 60 cents per 12.

MRS MARK'S MEMORY (K.&M.). A very strong growing and vigorous deep rose-red, that is distinctive. As large as the average, but taller than most. Plain petals. Large, 30 cents each, \$3.00 per 12. Medium, 20 cents each, \$2.00 per 12. Bulblets, 20 cents per 12 .

NEW ERA (Ellis). Noted for its delightful purity of color. Pinks of this refinement are rare among glads. Very much ruffled, and a sturdy spike. Never any flecks. Among the most enjoyable of all glads. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00.

NEW EUROPE (Blom). 1946 importation. The outstanding European glad of recent introductions. A very large wide-open orange-scarlet, shining and clear. Most of the fine spike open at one time. Certainly gorgeous. Healthy, vigorous, prolific. Large, 20 cents each, \$2.00 per 12. Medium, 15 cents each, \$1.50 per 12. Small 70 cents per 12. Bulblets, \$2.00 per 100.

OKLAHOMA (Wilson) A heavily ruffled smoky. A delightful shade of deep lilac, or old rose, with a creamy throat. A very attractive glad. Clean strong growth. Large, 80 cents each. Medium, 60 cents each. Small, 30 cents each. Bulblets, 10 cents each.

ORANGE GOLD (Marshall). By far the nearest to orange among glads, to my knowledge. An unusually rich striking orange-gold color, deep, brilliant, non-fading. A beautiful satisfying flower and a very strong plant. Large, \$1.00 each. Medium, 75 cents each. Bulblets, 20 cents each.

OREGON GOLD (Majeski). A late bloomer. The finest of the light yellows because of its great keeping qualities as a cut flower and its great purity of color. Large, tall, plenty open, and beautifully ruffled. The beautiful deeper throat blotch enhances the purity of color. A live beautiful flower. For 25 cents, either 3 L, or 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 12 L, or 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$5.00.

ORIENTAL PEARL (Carlson) For size this new cream is in a class by itself. None other like it, not even WHITE GOLD. I never had a glad go higher than my head before. Huge cream, deepening towards the throat. To me a beautiful color. Not floppy in the least, but perfect in form. Large, \$2.00 each. Medium, \$1.50 each. Small, \$1.00 each, \$8.00 per 12. Bulblets, \$1.50 per 12.

OREGON ROSE (Mitsch). A true rose color, similar to CHAMOUNY, but somewhat lighter, also larger. The entire spike opens in the field before the first bloom fades. Large, 20 cents each, \$2.00 per 12. Medium, 15 cents each, \$1.50 per 12. Small, 10 cents each, 80 cents per 12. Bulblets 30 cents per 100.

PAUL RUBENS (Salman). 1946 importation. I put this glad at the head of the list of purples. The Ridgway color chart calls it rhodamine purple. It exactly duplicates the old ANNA EBERIUS. Clear pure color, and a vigorous grower, large and wide-open. The only real purple we have. Large, 50 cents each, \$4.00 per 12. Medium, 35 cents each, \$3.00 per 12. Small, 25 cents each, \$2.00 per 12. Bulblets, 25 cents per 12.

PAYMASTER (Young). This aster purple duplicates the color of the old PAUL PFITZER. A needed color in the purple class. Reminds one of an Iris. Big, generous, well formed, and tall. Bulblets make many large bulbs. Large, \$2.00 each. Medium, \$1.50 each. Small, \$1.00 each. Bulblets, \$1.50 per 12.

PELEGRINA (Pfitzer). Early. The deepest of the older blues and near to true blue. The buds are black, and most of them show color when the first one opens. A free bloomer. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 5, \$4.00.

PINK RADIANCE (Quackenbush). A clean-cut mellow light pink. Very tall and vigorous. Free blooming, drouth resistant. Large, 15 cents each. Medium, 10 cents each, \$1.00 per 12. Small, 50 cents per 12. Bulblets, \$1.00 per 100.

POET'S DREAM (Fischer). Lavender and cream, one as prominent as the other. Very heavily ruffled, precise in form, and vigorous in growth. Large, 60 cents each. Medium, 40 cents each. Small, 25 cents each. Bulblets, 50 cents per 12.

PRAIRIE BEAUTY (Heaton). Among the tallest in our plantings. Remarkable for its ability to bloom indoors as a cut flower. A ribbon of blazing salmon. The first floret sometimes irregular. Medium, 20 cents each, \$1.50 per 12. No. 5, 10 cents each, \$1.00 per 12. Bulblets, \$2.00 per 100.

PURPLE SUPREME (Wilson) Not so very large, but extremely tall spike and the large number open compensate for this. A sure winner in the purple class. Very prolific and easy growing. A clear uniform deep purple. Large, 20 cents each. Medium, 15 cents each, \$1.50 per 12. Small, 40 cents per 12. Bulblets, 40 cents per 100. Per 250 No. 5, \$6.00.

RAVEL (K.&M.). 1946 importation. A fine light blue from overseas. The color is an Iris violet with a small reddish blotch. Wins Grand Championship awards at the Holland shows, which is unusual for this color. Very large and vigorous for a blue. Large, \$1.00 each. Medium, 60 cents each. Small, 40 cents each. Bulblets, 10 cents each.

R. B. (Upton). Another huge glad. A light smoky rosy red, thickly peppered with tiny light-colored flecks uniformly over entire flower. Very odd. Medium, 10 cents each, \$1.00 per 12. Small, 50 cents per 12. Bulblets, 50 cents per 100.

RED RASCAL (Graff). Closely resembles the older DR. F. E. BENNETT, even to the light lines on the lower petals, and the slight tendency for some florets to be out of place. But it is much larger and more dazzling, and a better grower. A very bright scarlet. Large, \$3.00 each. Medium, \$2.00 each. Small, \$1.00 each. Bulblets, 30 cents each, \$3.00 per 12.

REWI FALLU (Fallu). Everybody likes this huge floppy blood-red. Wish it had more stem to take care of the load of blooms. That glossy velvety texture is unmatched. Place one or two florets in a small cup or saucer, and what a show for the breakfast table. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 5, \$4.00.

RIMA (Mitsch). Early. A clear lilac pink of great purity, and the only truly lilac color I have found in glads. Very large and wide-open. Not very prolific. Large, 10 cents each, \$1.00 per 12. Medium, 70 cents per 12. Small, 40 cents per 12.

ROBINSON CRUSOE (Lins). This marbled glad is the best by far in the smokies. A tall spike, with many large wide-open blooms of multi-colored tans, browns, and purples, marbled and streaked and splotted over entire flower. Very unique and striking. Large, \$1.25 each. Medium, \$1.00 each. Small, 75 cents each, \$7.00 per 12. Bulblets, \$1.00 per 12.

ROSA VAN LIMA (Pfitzer). Near the top in the rose pinks for daintiness. A very lovely glad indeed. A clear, pure, intense rose pink, of a clearness and purity unequaled. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$5.00

ROSE O'DAY (Fischer). A bright rose, almost lavender. A very vigorous grower, with the rod-like spike full from one end to the other of large closely placed blooms. Resistant to heat and drouth. Large, 40 cents each, \$4.00 per 12. Medium, 25 cents each, \$2.40 per 12. Small, 15 cents each, \$1.00 per 12. Bulblets, 40 cents per 20.

SALMAN'S GLORY (Salman). 1947 importation. Here is the giant of the visitors from Europe. A rich light yellow with a big red blotch. If you like them large, you will like this one. It is large in spike and plant, too. A heavy winner in the Holland shows. Large, 35 cents each, \$3.00 per 12. Medium, 25 cents each, \$2.20 per 12. Bulblets, 20 cents per 12.

SENSATION (Marshall). You will need to stake this glad when it blooms, or it will fall over with its load of big geranium pink blooms. Very showy indeed. A late bloomer. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5.

SILVER WINGS (Ritsema). This sport of PICARDY is somewhat whiter than LEADING LADY, and is also nicely ruffled. Otherwise, its qualities are the same. Maybe smaller bulblets and more of them. A fine glad. Large, \$1.00 each. Medium, 75 cents each, \$7.00 per 12. Small, 50 cents each, \$4.00 per 12. Bulblets, 60 cents per 12.

SILVERY TETON (Zimmer). I have been looking for a successor to DREAM O'BEAUTY's unmatched deep rose the florists like so well. SILVERY TETON,, by the same originator, so far comes the nearest. The arrangement this time is perfect. The color is dazzlingly bright. But the bulblets are scarce. Am hoping they will improve in time. Large, 75 cents each. Medium, 50 cents each.

SNOWBOUND (Ellis). Early. The whitest of the whites, alongside all the new whites that are coming forward. Its purity was not touched by the odd Summer of flood and heat and drouth. Closely resembles MINUET in size and form and quality. Very scarce of bulblets, but my nice '46 crop of bulblets all grew in '47. Large, \$4.00 each. Medium, \$3.00 each.

SNOW PRINCESS (Pfitzer). The standard commercial white at present. Hard to beat in the whites. Very reliable. For 25 cents, either 3 L, or 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$4.00.

SPIC AND SPAN (Carlson). The best new glad of '47 at my place. It has everything, and the Summer of '47 here gave it a test. A seedling of NEW ERA, and is really a glorified NEW ERA. Big, beautiful, and rugged. Maybe a deeper pink, and more ruffled. Large, \$3.50 each. Bulblets, 50 cents each.

SPOTLIGHT (Palmer). Near the top in the medium yellows. Take that little pink blotch away and it would top all yellows. As large and regular in habits as any glad of any other color. Cannot say as much of most yellow glads. A pleasing solid brilliant color. Large, 50 cents each. Medium, 35 cents each, \$3.00 per 12. Small, 25 cents each, \$2.50 per 12. Bulblets, 60 cents per 12.

SUMMER GAL (Zimmer). I like this huge geranium pink very much. A brilliant shimmering pink, of strong growth and fine habits. Certainly an outstanding new glad. Large, \$3.00 each. Medium, \$2.00 each. Small, \$1.00 each. Bulblets, 25 cents each, \$2.50 per 12.

TIVOLI (K.&M.). 1946 importation. The first glad I have seen to match the beautiful La France Pink of the old CORYPHEE of twenty years ago. This one is tall and does not crook. A heavy winner in the Holland shows. A lovely color indeed. Large, \$3.00 each. Small, \$2.00 each. Bulblets, 30 cents each

TOPSCORE (Kooy). 1947 importation. Best red novelty at the Holland shows. This one is really red, a brilliant glowing red. Of fine habits, and well worth while. Large, 25 cents each, \$2.50 per 12. Medium, 15 cents each, \$1.50 per 12. Bulblets, 25 cents per 12.

VALERIA (Pruitt). Valuable for the florist trade, ranking among the very best. A medium light scarlet, mellow and clear, of strong growth and fine spike. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5.

VAN GOLD (Van Voorhis). Early. The deepest yellow by far that I know of. A large number of wide-open blooms on a fine slender spike. A clear pure deep uniform yellow. No hooded florets here. Blooms well from small bulbs. Large, 25 cents each, \$2.50 per 12. Medium, 15 cents each, \$1.50 per 12. Small, 70 cents per 12. Bulblets, 20 cents per 12.

VICTORY QUEEN (Wilson). A rich salmon-orange with a deep cream throat. Extremely ruffled. The colors are crystal clear. Vigorous plant, very tall, and a long flower-head, with many perfectly placed large blooms. Among the most beautiful of all glads. Large,

WHITE GOLD (Scheer). Early. The most famous of the modern giants in glads. The sensationally large saucer-like wide-open blooms attract every one's attention. Very heavy plant and foliage. A rich cream. For 25 cents, either 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 20 M, or 30 No. 5, or 1/2 pint bulblets. Per 250 No. 4, \$7.50. Per 250 No. 5, \$5.00.

WINGS OF SONG (Ellis). Early. This glad throws a tremendous spike, each in itself almost a spray. The smoky markings seldom appear lately, and in the shows it is a heavy winner. Fine for cutting. A huge mellow pink. For 25 cents, either 3 L, or 5 M, or 8 No. 5, or 100 bulblets. For 70 cents, either 12 L, or 20 M, or 30 No. 5, or 1/2 pint bulblets.

TERMS OF SALE

My bulbs are grown in Iowa black soil without irrigation or fertilizing. They are not over-fed or over-grown, but are young and full of pep, and free of disease, and thrips. Thrips have never invaded my fields, because I am located miles from any other glads. Diseased stock is destroyed when discovered. Rotation around over the farm helps immensely in disease control.

Cash with order, please. Subject to prior sale or conditions beyond my control. All stock offered with PREPAID DELIVERY, and at my risk other than during the Winter months. In case of error just let me know. Half count at the full rates, but no item less than 10 cents, and no order less than \$2.00. No warranty as to results is implied, beyond the price of the bulbs ordered. All previous offers made are hereby canceled.

25TH YEAR SPECIAL

To celebrate twenty-five years of fun raising glads for a living I can send you **FREE** with your order, as follows:

Group 1. One **STARTER UNIT**, consisting of 2 Medium and 10 Small, of any one of these varieties with each \$5.00 of your 1948 orders—**BURMA, CASABLANCA, ELIZABETH THE QUEEN, GENGHIS KHAN, HAWKEYE RED, LADY JANE, LEADING LADY, PURPLE SUPREME, ROSE O'DAY, and VAN GOLD.**

Group 2. One Medium, or larger, of any one of these varieties with each \$10.00 of your 1948 orders—**CONNECTICUT YANKEE, ORIENTAL PEARL, PAYMASTER, ROBINSON CRUSOE, SILVER WINGS. SUMMER GAL, and VICTORY QUEEN.**

These two **FREE** groups cannot be combined. Please give your first and second choices, and I will comply if possible. As I do not like to give you something you may not care for, I will not send unless you choose.

SUPERIOR MIXTURE

In case you do not care to bother with name tags, you can still have many of the finest of all glads in a complete range of colors. My stock this season is plentiful in some of the best of the standard named varieties, and it is from these that I will make up your mixture at the time it is shipped to you, and not from discarded varieties, as I do not grow such. I harvested a nice crop of the following colors: white, lavender, purple, red, yellow, blue, several pinks, orange, some good ruffled glads, cream, and rose, all of which are varieties named and described elsewhere in this catalog. There is therefore a good reason why my **SUPERIOR MIXTURE** is very popular with my customers. Order 100, or more, to get the full benefit of this fine mixture. Large, \$5.00 per 100. Medium, \$3.00 per 100. No. 5, \$2.00 per 100, \$15.00 per 1000. No. 6, \$10.00 per 1000. All prepaid.

RUFFLED MIXTURE

This all-ruffled mixture will contain the following seven colors: lavender, orange, purple, red, yellow, white, and pink. You will be agreeably surprised at how well ruffled these up-to-date glads are. 75 Medium for \$3.00. 75 Small bulbs for \$2.00. Prepaid.

A DOZEN RARE GLADS

One Large bulb of each of the following rare glads, separately labeled, for \$3.00. **ABU HASSAN, BOULOGNE, BRIDESMAID, DR. VAN DOBBEN DE BRUYN, GOLDEN STATE, ILE DE FRANCE, LEEUWENHORST, MANSOER, MRS. MARK'S MEMORY, PAUL RUBENS, SALMAN'S GLORY, and SPOTLIGHT.** One Medium bulb of each for \$2.50.

MOST BEAUTIFUL GLADS

The best in their respective colors, in my estimation.

ABU HASSAN (blue)	MISS WISCONSIN (rose pink)
BEAUTY'S BLUSH (blush pink)	NEW EUROPE (scarlet)
BETTER TIMES (light blue)	ORANGE GOLD (orange)
BLACK OPAL (black)	OREGON GOLD (light yellow)
BURMA (rose)	ORIENTAL PEARL (cream)
CHAMOUNY (Peach blossom)	PAUL RUBENS (purple)
CONNECTICUT YANKEE (light pink)	ROBINSON CRUSOE (smoky)
ELWOOD (lavender)	SPIC AND SPAN (pink)
FUCHSIA BELLE (red)	SPOTLIGHT (yellow)
LEADING LADY (white)	VAN GOLD (deep yellow)
MARION PEARL (salmon pink)	VICTORY QUEEN (salmon)

HINTS ON THE GROWING OF GLADS

You cannot grow glad blooms successfully where you do not have success with the ordinary garden vegetables. Where tomatoes and sweet corn do well, that is where you can depend on good spikes of glads. Stay away from trees and partial shade, or where the soil is being robbed of plant food and soil moisture. Farm crops are failures near groves of trees. Glads are even more touchy.

However, low-growing plants and shrubs with limited root growth and foliage will allow glads to develop. Glads may add a note of color, provided you keep the wilted stems removed, though ordinarily glads are not suitable for landscaping.

Glads like a good rich garden soil, as they are good feeders. If you keep your garden soil productive by plenty of manuring through the years, that is the right place for your glads. A soil expert will determine for you whether or not your soil contains all the necessary elements. Or you can forget the expert, and spade under some barn-yard manure, or a balanced commercial fertilizer. A well-fed glad will blush with pleasure.

If moisture tends to be insufficient during the blooming season, a good watering at intervals will make a world of difference in your blooms. Glads respond wonderfully well to plenty of watering, if you have the facilities for it. But water more than just the surface crust, or you will pull the roots to the surface, where much damage can be done, for the roots should go deep to where it is cool and less likely to dry out quickly.

It is a good practice to do as many farmers do, that is, plant fertilizer with the seed, or in close proximity in the same operation. First cover the bulbs lightly with soil in the trench, then sprinkle the fertilizer on this at the rate of a handful to several feet of row, and then complete the filling of the trench. Do not let the fertilizer come in contact with the bulb.

You may plant your glads as soon as you plant such garden items as lettuce, radishes and peas. Soil warm enough to sprout these will sprout glads. If not, just let them lie there until it is, just so it does not freeze the bulbs. And you may plant bulbs as late as July, and still have blooms, here in Iowa.

Commercial growers of glad bulbs plant rather shallow, as this means a greater production of bulblets, and less work in the planting operation. But for the garden blooms you may plant deeper with profit, say as much as five or six inches, as this helps the plant to stand up better in stormy weather, and by placing the roots deeper, where it is cooler and more moist, you will have a better bloom spike.

Commercial growers also plant much more thickly in the row than does the average gardener, if their product is a crop of bulbs rather than blooms. By lessening the bloom crop they channel the plant's strength into a better bulb. But for your garden you wish to obtain the finest bloom possible, so it is profitable to space the bulbs in the rows, say three or four to the foot, with rows at least eighteen inches apart.

Moisture in the dry time of Summer, when glads bloom, must come up from below a good part of the time. I do not feel that a dust mulch is necessary. A dust mulch is soon gone in any case, when an eager glad fan uses the path between the rows as parade grounds in the critical and exciting blooming time. Weed control is the object of cultivating, but do not cultivate deeply, as this will destroy the little feeder roots.

Some folks get more enjoyment out of glads than do others who may love them equally as well. They do it by the simple device of cutting them and bringing them in to where they can be seen oftener. The glad is essentially a cut flower. They are notorious for their ability indoors to bloom out to the last bud. Their lasting qualities are exceeded by very few plants. Their fresh beauty, renewed every morning, is ever present with you if you but take them with you, in a vase or basket, wherever you spend your time, from office to kitchen, to shop or parlor or church. Do not let them bloom to "blush unseen and waste their sweetness on the desert air" out there in the garden.

GLADS ARE NOT TEMPERAMENTAL

Do not be alarmed by all these hints on the growing of glads. You can just forget all that was said above. Just stick your bulbs in whatever soil you have, and you will be delightfully surprised. They will make lovely blooms in spite of it all. Glads are notoriously easy to grow. Glads are not like some flowers I know, which demand, "Give me exactly what I want, or I will not bloom for you."

HOW TO CARE FOR THE BULB

After it blooms leave the bulb in the ground as long as the leaves remain green, because it is maturing and setting bulblets. When the leaves turn brown, dig at once. Sometimes brown leaves early in the Fall mean diseased bulbs, in which case they should be lifted at once and examined for rot, and if found to be spoiled the entire plant should be destroyed. A freeze that kills the leaves does no harm to the bulb, but do not let the bulb itself be frozen, as it is easily killed. Late digging means a larger bulb and more bulblets, because this underground growth takes place much faster late in the season.

If you will save the bulblets when you dig, and scatter them in the same trench with your bulbs of the same variety when you plant again, you may have a crop of young bulbs along with your older bulbs, and a welcome increase of your stock in all sizes large and small. Because the smaller bulbs bloom later than the larger ones, you may thus prolong the blooming season next time.

I do not spread the bulbs out in the sun for curing, because the sun wilts and softens them. Cut the tops off as you dig, and place in shallow trays with screen-wire bottoms for curing, or in paper bags with open tops. It takes a month or two for curing, and then you can easily remove the old bulb and roots, separating the bulblets. These new bulbs remain dormant for about three months after digging, and should not be planted as they will not grow during that time. My bulbs are dug in October, and should not be planted before January. Store your bulbs where it does not freeze, and where it is dry and airy, and preferably where it is cool.

DISEASES

Bulbs that have diseased spots on them should be destroyed. Examination often reveals small discolored veins leading from the surface scab to the core of the bulb, so of course the removal of the surface spot does not eliminate the disease from the bulb. If the diseased bulb is planted, the soil moisture and rains will carry the disease to other near-by plants. Dead plants in the garden could be diseased plants, and should be pulled up and destroyed. If you are bothered with disease, try fresh stock on new ground. This will usually solve your problem. Experienced commercial growers of large plantings of glads use dangerous poisons as disinfectants successfully, but "fresh stock on new ground" is a very practical remedy for the home gardener to use. If you wish to use the best of these poisonous disinfectants, purchase a can of New Improved Ceresan and follow directions contained thereon, except that for glads you dip for only fifteen minutes and plant at once.

THRIPS

If the blooms and leaves appear shriveled or burnt, the trouble probably is thrips. This is a very small insect, light greenish when young and black when full grown and ready to fly. They crawl in between leaf and stem, and rasp the tender surface to suck the plant juices. The easiest means of control for thrips is the dusting of the foliage once a week with D.D.T., available most anywhere for that purpose. This is also completely effective for bulbs in storage.

WHEN GLADS CHANGE COLOR

The bulblets produce glads identical with the mother bulb year after year indefinitely, with the single exception that maybe once in several hundred thousand times there will be what is commonly called a "sport". A sport, or mutation, is a sudden change in some quality or characteristic. The change in the case of the glad sport that usually interests us is a color change. For example, the white LEADING LADY, a sport of PICARDY, has all the qualities of PICARDY, as well as its habits of growth, with the one change from pink to white. Notice that a sport is both abrupt and exceedingly rare.

So many folks ask about their glad mixtures that in the course of time become all one color, or perhaps only a few colors. These people think that their glads changed, when in fact the stronger varieties of their original mixture survived during the years, while the weaker growers gradually lost out and disappeared. The missed colors are lost, not changed.

THE NO. 5 IS A GOOD BULB

The numerous fine reports from my customers on their success with my No. 5, or half-inch bulbs, bear out my contention that the No. 5 bulb is a profitable size to buy. Most glad fans give good care to their glads, and under such conditions the No. 5 bulb responds with a surprisingly nice spike of bloom. Not only do you get a satisfactory spike the first season, but the bulb is young and the following year will be its best year, and not an old worn-out bulb to deal with. Then there is the saving in the price. Ordinarily it takes one less year for the professional grower to produce a No. 5 for sale, hence the lower cost. Many large commercial growers for the cut flower markets use the No. 5 size quite extensively.

GLADS ARE HIGH QUALITY CUT FLOWERS

The bright and cheery glad is an indispensable on the cut flower market. It has earned this high regard by its many high qualities. There is such a wide variety of colors that anybody's favorite color can usually be readily available, and any color scheme can be taken care of by the florist decorator. Glad spikes are not fragile, but will survive a lot of rough handling. The spikes are easy to cut, easy to handle and to place in any desired position, are never messy in basket or vase. Their lasting qualities are matched by few flowers, whether in a vase, a corsage, a wreath, in a refrigerator, or in the shipping crate. They bloom out beautifully to the last bud. They have plenty of grace and poise. Best of all, they are not temperamental, but are easy and economical to grow. A very useful and beautiful flower.

Glad varieties do not always possess all these qualities to the degree deemed necessary or profitable. Those varieties that do possess these various qualities to a high degree become the so-called standards. Those varieties that are conspicuously lacking in any of these essentials are sooner or later abandoned. Hundreds of acres of glads are grown for the cut flower markets in all parts of the country. These growers cannot afford to handle varieties that do not possess certain important characteristics to a high degree. There must be plenty of bulblets that sprout readily and grow rapidly. The plant itself must be sturdy, disease-resistant and thrifty. There must be a high percentage of salable spikes, with few short stems, misplaced florets and crooked spikes. The spike must be tough and willowy, with the buds close-fitting to the stem, for safe handling and shipping, the petals not crimping or breaking easily. The buds must open well after being cut, retaining size and color up the spike. The colors must be clear and bright, and must satisfy the popular demand.

In general, these same qualities are demanded by the home gardener. They are qualities that make for success in the average garden. While the darker colors and the smokies are in less demand in the florist shop, they appear bright and cheery out in the garden, and they do have a place in the heart of the glad lover. And there are lots of folks who are willing to put up with a crooked spike or a short flower-head or a misplaced floret in order to enjoy a lovely color that may not be obtainable elsewhere.

YOU MAY ORIGINATE A LOVELY GLAD

There is a real chance that you may find a new and better glad in your own back yard some fine day. Possibilities for improvement over the existent varieties are unlimited. Scores of glad fans are now originators of famous varieties.

In general, like produces like in glads as in any other line of breeding, though the hybrid character of glads makes the resultant progeny mighty uncertain. But there is a real chance for you if you will try out numerous crosses and study the results.

The best time to apply the pollen to the pistil of the seed parent is the mid-forenoon on sunny days. No need to cover the bloom, as what pollenizing is done by the wind or bees is negligible. The plants from the glad seed are like the plants from bulblets except that they are smaller. They must be protected from the sun by lath frames, and must be kept moist. Most of them bloom the following year, but it will be two or three years before you can determine their real character.

WHY IS A GLAD BEAUTIFUL?

Art is the way the parts of a thing are arranged to give us pleasure. The degree of our pleasure depends on how well the arrangement of the parts complies with the principles of beauty. A glad spike is beautiful because in the way its parts are arranged it does follow the simple laws of beauty.

Whether it be a picture, a doorway, or a building, the ancient Greeks knew the proper proportions. The basis for good spacing which was their standard is the "Golden Oblong", or about two units on the short side and three on the long side. If this principle of space relationship is followed, the resulting object is far more interesting than otherwise. A glad spike with six open blooms has two one way and three the other. Even the individual floret complies by being not a square nor a circle nor a triangle, but a two-by-three object, approximately.

The glad spike type is the spear-head, with the florets facing the front. The glad type is an openness without flatness, giving an impression of depth of character, an impression of height rather than broadness, suggesting an air of stateliness and dignity. As the eye travels over a glad spike there is a restful impression because there is balance of a high order. There is an equal attraction to the eye on each side of the stem axis, and every one of the florets is in place as well as petal edges and pistils of equal size and form on both sides.

As the eye travels up a glad spike, the movement is easy and organized, and not restless and distracting, because there is related movement, or rhythm. There is a repetition of florets, petal edges, stamens, size of petal, direction of petal pointing, and so forth, in a progression. We say that in its design the glad spike has rhythm.

All the parts of a glad spike harmonize. The shapes of the petals and florets, their relative sizes as between petal and floret, and floret with cluster, the texture of bloom and the spike as a whole, even the colors and markings, are all consistent parts of a harmonious whole. There is an impression of unity throughout the entire flower, a family resemblance among the florets, the leading lines following the general shape of the cluster, with a minimum of contradicting lines and plenty of transition lines.

Emphasis is the art principle by which the eye is inevitably carried to the most important thing in any arrangement of lines and parts. It so happens, and it is a delightful coincidence, that the thing to be emphasized in a glad spike is exactly the thing for which the glad is to be used, and that is the color. The easy flow of line and shape, the suggestion of broadness and openness and depth of character, the stateliness and dignity of the glad, all point to the one central idea, which is the presentation of the particular color to the best advantage.

Briefly each of these five principles as described above may be expressed by a word, each word describing the effect upon the eye. The easy movement of lines in a harmonious arrangement is said to be pleasing. Proper proportions are interesting rather than dull and disagreeable. Rhythmic movement of line is restful to the eye. Where there is proper balance there is dignity. When there is a unity of purpose as the culmination of the entire spike ensemble, the effect is impressive. That is why a modern glad spike is a thing of beauty.

A BIT ABOUT ME

For the last quarter of a Century the sale of glads has been my only source of income. Before that as a High School teacher I had glads for a hobby, but they got so thick around the house and yard that I had to make my hobby my business. My habit has always been to toss over the fence what I did not like. Of course, there are other reasons why I discard varieties now, such as poor producers, disease and rogues, or a slow demand. Let it be said of me that I like glads, and that my business has always been a keen pleasure.

